



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/839,946B

DATE: 05/01/2002
TIME: 12:32:12

Input Set : A:\MVIEWD.1A2DV1.TXT
Output Set: N:\CRF3\05012002\I839946B.raw

ENTERED

4 <110> APPLICANT: Williams, L. David
5 Hershfield, Michael S.
6 Kelly, Susan J.
7 Saifer, Mark G.P.
8 Sherman, Merry R.
10 <120> TITLE OF INVENTION: PEG-URATE OXIDASE CONJUGATES AND USE
11 THEREOF
13 <130> FILE REFERENCE: MVIEWD.1A2DV1
15 <140> CURRENT APPLICATION NUMBER: US 09/839,946B
C--> 16 <141> CURRENT FILING DATE: 2002-04-15
18 <150> PRIOR APPLICATION NUMBER: 09/370,084
19 <151> PRIOR FILING DATE: 1999-08-06
21 <150> PRIOR APPLICATION NUMBER: 09/130,392
22 <151> PRIOR FILING DATE: 1998-08-06
24 <150> PRIOR APPLICATION NUMBER: 60/219,318
25 <151> PRIOR FILING DATE: 1999-08-05
27 <160> NUMBER OF SEQ ID NOS: 3
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 304
33 <212> TYPE: PRT
34 <213> ORGANISM: Sus scrofa
36 <400> SEQUENCE: 1
37 Met Ala His Tyr Arg Asn Asp Tyr Lys Lys Asn Asp Glu Val Glu Phe
38 1 5 10 15
39 Val Arg Thr Gly Tyr Gly Lys Asp Met Ile Lys Val Leu His Ile Gln
40 20 25 30
41 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
42 35 40 45
43 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
44 50 55 60
45 Val Ile Pro Thr Asp Thr Ile Lys Asn Thr Val Asn Val Leu Ala Lys
46 65 70 75 80
47 Phe Lys Gly Ile Lys Ser Ile Glu Thr Phe Ala Val Thr Ile Cys Glu
48 85 90 95
49 His Phe Leu Ser Ser Phe Lys His Val Ile Arg Ala Gln Val Tyr Val
50 100 105 110
51 Glu Glu Val Pro Trp Lys Arg Phe Glu Lys Asn Gly Val Lys His Val
52 115 120 125
53 His Ala Phe Ile Tyr Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
54 130 135 140
55 Gln Ile Arg Asn Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
56 145 150 155 160

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/839,946B

DATE: 05/01/2002
TIME: 12:32:12

Input Set : A:\MVIEWD.1A2DV1.TXT
Output Set: N:\CRF3\05012002\I839946B.raw

57 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
58 165 170 175
59 Gln Phe Thr Thr Leu Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
60 180 185 190
61 Val Tyr Cys Lys Trp Arg Tyr His Gln Gly Arg Asp Val Asp Phe Glu
62 195 200 205
63 Ala Thr Trp Asp Thr Val Arg Ser Ile Val Leu Gln Lys Phe Ala Gly
64 210 215 220
65 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
66 225 230 235 240
67 Asp Ile Gln Val Leu Thr Leu Gly Gln Val Pro Glu Ile Glu Asp Met
68 245 250 255
69 Glu Ile Ser Leu Pro Asn Ile His Tyr Leu Asn Ile Asp Met Ser Lys
70 260 265 270
71 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
72 275 280 285
73 Tyr Gly Arg Ile Thr Gly Thr Val Lys Arg Lys Leu Thr Ser Arg Leu
74 290 295 300
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 304
79 <212> TYPE: PRT
80 <213> ORGANISM: Papio hamadryas
82 <400> SEQUENCE: 2
83 Met Ala Asp Tyr His Asn Asn Tyr Lys Lys Asn Asp Glu Leu Glu Phe
84 1 5 10 15
85 Val Arg Thr Gly Tyr Gly Lys Asp Met Val Lys Val Leu His Ile Gln
86 20 25 30
87 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
88 35 40 45
89 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
90 50 55 60
91 Ile Ile Pro Thr Asp Thr Ile Lys Asn Thr Val His Val Leu Ala Lys
92 65 70 75 80
93 Phe Lys Gly Ile Lys Ser Ile Glu Ala Phe Gly Val Asn Ile Cys Glu
94 85 90 95
95 Tyr Phe Leu Ser Ser Phe Asn His Val Ile Arg Ala Gln Val Tyr Val
96 100 105 110
97 Glu Glu Ile Pro Trp Lys Arg Leu Glu Lys Asn Gly Val Lys His Val
98 115 120 125
99 His Ala Phe Ile His Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
100 130 135 140
101 Gln Leu Arg Ser Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
102 145 150 155 160
103 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
104 165 170 175
105 Gln Phe Thr Thr Lys Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
106 180 185 190
107 Val Tyr Cys Lys Trp Arg Tyr His Gln Cys Arg Asp Val Asp Phe Glu
108 195 200 205

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/839,946B

DATE: 05/01/2002
TIME: 12:32:12

Input Set : A:\MVIEWD.1A2DV1.TXT
Output Set: N:\CRF3\05012002\I839946B.raw

109 Ala Thr Trp Gly Thr Ile Arg Asp Leu Val Leu Glu Lys Phe Ala Gly
110 210 215 220
111 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
112 225 230 235 240
113 Asp Ile Gln Val Leu Ser Leu Ser Arg Val Pro Glu Ile Glu Asp Met
114 245 250 255
115 Glu Ile Ser Leu Pro Asn Ile His Tyr Phe Asn Ile Asp Met Ser Lys
116 260 265 270
117 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
118 275 280 285
119 Tyr Gly Lys Ile Thr Gly Thr Val Lys Arg Lys Leu Ser Ser Arg Leu
120 290 295 300
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 304
125 <212> TYPE: PRT
126 <213> ORGANISM: Mutant combination of Sus scrofa & Papio hamadryas
128 <400> SEQUENCE: 3
129 Met Ala His Tyr Arg Asn Asp Tyr Lys Lys Asn Asp Glu Val Glu Phe
130 1 5 10 15
131 Val Arg Thr Gly Tyr Gly Lys Asp Met Ile Lys Val Leu His Ile Gln
132 20 25 30
133 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
134 35 40 45
135 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
136 50 55 60
137 Val Ile Pro Thr Asp Thr Ile Lys Asn Thr Val Asn Val Leu Ala Lys
138 65 70 75 80
139 Phe Lys Gly Ile Lys Ser Ile Glu Thr Phe Ala Val Thr Ile Cys Glu
140 85 90 95
141 His Phe Leu Ser Ser Phe Lys His Val Ile Arg Ala Gln Val Tyr Val
142 100 105 110
143 Glu Glu Val Pro Trp Lys Arg Phe Glu Lys Asn Gly Val Lys His Val
144 115 120 125
145 His Ala Phe Ile Tyr Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
146 130 135 140
147 Gln Ile Arg Asn Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
148 145 150 155 160
149 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
150 165 170 175
151 Gln Phe Thr Thr Leu Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
152 180 185 190
153 Val Tyr Cys Lys Trp Arg Tyr His Gln Gly Arg Asp Val Asp Phe Glu
154 195 200 205
155 Ala Thr Trp Asp Thr Val Arg Ser Ile Val Leu Gln Lys Phe Ala Gly
156 210 215 220
157 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
158 225 230 235 240
159 Asp Ile Gln Val Leu Thr Leu Gly Gln Val Pro Glu Ile Glu Asp Met
160 245 250 255

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/839,946B

DATE: 05/01/2002
TIME: 12:32:12

Input Set : A:\MVIEWD.1A2DV1.TXT
Output Set: N:\CRF3\05012002\I839946B.raw

161 Glu Ile Ser Leu Pro Asn Ile His Tyr Leu Asn Ile Asp Met Ser Lys
162 260 265 270
163 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
164 275 280 285
165 Tyr Gly Lys Ile Thr Gly Thr Val Lys Arg Lys Leu Ser Ser Arg Leu
166 290 295 300

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/839,946B

DATE: 05/01/2002

TIME: 12:32:13

Input Set : A:\MVIEWD.1A2DV1.TXT

Output Set: N:\CRF3\05012002\I839946B.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date